

EQUIPMENT

# COMPOSITE HCS9300E SERIES



Model: HCS9340E

The HCS9300E Series Thermocouple Expansion Unit is a device that expands the thermocouple channels from the 20 inputs available on the HCS9200B Hot Bonder to 40 or 60 inputs total.

Increasing thermocouple channels in the HCS9200B Hot Bonder significantly expands the capability of heat controlling and monitoring across complex and/or large aircraft structure surfaces.

Select from two models available in this series:

HCS9320E - 20 TC Expansion Unit

HCS9340E - 40 TC Expansion Unit

**EXPAND  
THERMOCOUPLE  
INPUTS FOR  
THERMAL  
SURVEYS!**



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**HC HEATCON  
COMPOSITE SYSTEMS®**

# Specifications and Features

## SPECIFICATIONS

Weight: 8.75lbs (4kg)
Dimensions: 13in x 10.5in x 5.75in (330mm x 267mm x 146mm)
Interface/Display: Requires HEATCON Hot Bonder
Thermocouple Jack Options: 20 or 40
Power: 90-264VAC (47-63Hz), 2 Amps
Connectivity: HEATCON Serial Data Cable
Operating Environment: 32-122°F, 0-93% Humidity
Temperature Range (Type J): Ambient to 1,400°F
Temperature Range (Type K): Ambient to 2,000°F
Temperature Accuracy: +/- 1°F
Temperature Resolution: 1°F

## FEATURES

Allows for an additional 20 or 40 thermocouple inputs
Available for Type J or Type K thermocouples
Cure data recorded/stored on connected hot bonder
Data activity light indicates proper connection
Internally stored calibration data with serial number
HEATCON hot bonder Rev 18 (or later) required

## ACCESSORIES INCLUDED

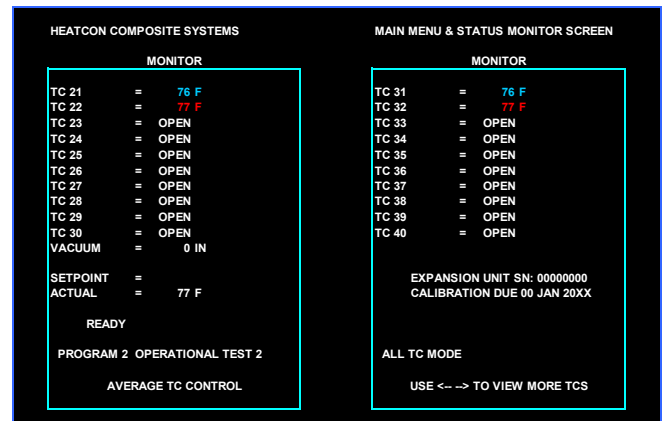
Input Power Cable
Serial Data Cable
Thermocouples (quantity depends on model)
Operations Manual

## NOTES

Compatible HEATCON hot bonder required for operation
Compatible with HCS2051-01 Calibration Kit

## APPLICATIONS USED WITH THE HCS9300E:

- Thermal survey
- Complex composite repair
- Large, single zone repair
- Expand control and monitoring of thermocouple channels
- Data logging applications that require more than the 20 thermocouples



Screenshot demonstrates the interface display of an HCS9200B Dual Zone Hot Bonder connected to a HCS9300E Expansion Unit. Sensors from the expansion unit start with number TC21. Sensors TC1 through TC20 are assigned to the hot bonder's existing thermocouple inputs.

Expand thermocouple channels on the HCS9200B Dual Zone Hot Bonder with the HCS9300E Series



HCS9320E + HCS92000B\* = 40 Thermocouple Channels



HCS9340E + HCS92000B\* = 60 Thermocouple Channels

\*Model HCS92000B Dual Zone Hot Bonder with Rev 18 (or later) software is required to operate the HCS9300E Thermocouple Expansion Units. HCS9200B sold separately.

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